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# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

C0150032  
Outgoing  
#3788  
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July 14, 2011

Dave Shaver, Manager  
Genwal Resources, Inc.  
P.O. Box 910  
East Carbon, Utah 84520-0910

Subject: 2010 Annual Report Review Completion, Crandall Canyon Mine, C/015/0032, Task ID #3788

Dear Mr. Shaver:

The Division staff has completed the review of the 2010 Annual Report. Enclosed is a copy of the review with each reviewer's comments completed on July 14<sup>th</sup>, 2011.

Thank you for your diligence in completing the Annual Report. If you have any questions, please call me at (801) 538-5325.

Sincerely,

Daron R. Haddock  
Coal Program Manager

DRH/SKC/ss  
cc: Price Field Office  
O:\015032.CRA\WG3788\WG3788\_RevCompLtr.doc



# Annual Report

Date

7/14/11

This Annual Report shows information the Division has for your mine. Submit the completed document and any additional information identified in the Appendices to the Division by **March 31, 2011**. During a complete inspection an inspector will check and verify the information.

## GENERAL INFORMATION

Company Name Genwal Resources Inc.

Mine Name Crandall Canyon Mine

Permit Number C/015/0032

Permit expiration Date 2013-05-13

Operator Name Genwal Resources, Inc.

Phone Number +1 (435) 888-4017

Mailing Address P.O. Box 910

Email dshaver@coalsource.com

City East Carbon City State UT Zip Code 84520

## CERTIFIED REPORTS

### DOGM File Location or Annual Report Location

Excess Spoil Piles

☐ Required☐ Not Required

Refuse Piles

☐ Required☐ Not Required

Impoundments

☒ Required☐ Not Required

Other:

Sediment Pond Certification (included)

## OPERATOR COMMENTS

Crandall Mine was inoperative during 2010.

Sediment pond certification is included

## REVIEWER COMMENTS



Met Requirements



Did Not meet Requirements

A certified impoundment report by a Utah P.E. is included in the 2010 annual report.

## COMMITMENTS AND CONDITIONS

The Permittee is responsible for ensuring annual technical commitments in the MRP and conditions accepted with the permit are completed throughout the year. The Division has identified these commitments below and has provided space for you to report what you have done during the past year for each commitment. If additional written response is required, it should be filed as an attachment to this report.

### Title: Macroinvertebrate Sampling

**Objective:** To monitor macroinvertebrate population in Crandall Creek.

**Frequency:** Annually, during the spring and fall beginning in 2009

**Status:** Surveys for Spring and Fall 2010 complete. 2010 Reports are due to Division

**Reports:** Annual Report

**Citation:** Volume A Text, Chapter 3, pg. 3-17

### OPERATOR COMMENTS

The Spring 2010 macroinvertebrate study has been completed and is included. The Fall 2010 fieldwork has been completed by JBR Environmental, but the report has not yet been written. According to JBR, they are still waiting for results from Bug Lab. The completed report will be provided to DOGM and other interested agencies as soon as it arrives from JBR.

### REVIEWER COMMENTS



Met Requirements



Did Not meet Requirements

Reviewed by Ingrid Campbell (4/12/2011). The spring 2010 macroinvertebrate report was conducted by JBR environmental in June 2010. The high elevation and high spring runoff prevents earlier spring surveys. The conditions in June 2010 were very similar to the fall 2009 results. All three sites' data indicated a degraded condition with the site directly below the discharge showing a slightly more degraded condition than the upstream site. Although degraded, both downstream sites are still supporting a variety of macroinvertebrates indicating that the mine-related disturbances have not completely eliminated macroinvertebrate habitat. Iron is no longer being discharged into the stream, but iron precipitates are still evident in the stream bed. JBR found that attributing the degradation directly to the water discharge and elevated iron levels continues to be problematic. JBR recommended that the 2011 sampling events use the same methodology and equipment as 2010 (which was altered from 2009). As more data are collected, JBR concludes that they will be able to make more meaningful analyses of spatial and temporal differences.

### Title: SUBSIDENCE MONITORING

**Objective:** Determine subsidence effects.

**Frequency:** Annually.

**Status:** On going. Please provide a map that shows the locations of the monitoring points to compare variations due to mining.

**Reports:** Submit surveyed monitoring data to Division by June 30, annually.

**Citation:** MRP, Vol. B, Chap. 5, Sec. 5.25.14, pg. 5-25

### OPERATOR COMMENTS

Subsidence information is included

### REVIEWER COMMENTS




Met Requirements



Did Not meet Requirements

A table listing all of the subsidence points is included in the 2010 annual report. The table shows 2010 elevations compared to previous

years and delineates the difference in elevation change. No map is provided to show the subsidence point location in conjunction with the topography or the mine workings. The Division has never set a standard for or how the subsidence information should be submitted (tables, maps mine workings exc.). The standard just indicates that subsidence information needs to be submitted which has occurred. Subsidence information was collected using aerial survey methods.



The following commitments are not required for the current annual report year, but will be required by the permittee in the future as indicated by the Status item. These commitments are included for information only, and do not currently require action.

**Title: Reclamation of culvert**

**Objective:** To reclaim part of the culverted section of the stream which provided habitat to the cutthroat trout population.

**Frequency:** Once during reclamation

**Status:** Needs to be completed as soon as possible.

**Reports:** Submitted to the Division upon project completion

**Citation:** Volume A Text, Chapter 3, page 3-16

**OPERATOR COMMENTS (Optional)**

**Title: Raptor Surveys**

**Objective:** To monitor raptor activity and nesting within and adjacent to the permit area.

**Frequency:** Every Three years, or annually if a.)UDWR recommends it, b.)it will not unduly harass raptors, and c.)if it is prudent to insure raptor safety and/ or habitat.

**Status:** Last survey was completed in 2008. Next survey is due in 2011- Report in 2011 annual report.

**Reports:** In annual report

**Citation:** Volume A Text, Chapter 3, page 3-17

**OPERATOR COMMENTS (Optional)**

## REPORTING OF OTHER TECHNICAL DATA

List other technical data and information as required under the approved plan, which must be periodically submitted to the Division. Specify whether the information is included as an attachment to this report or currently on file with the Division.

**Please List Attachments:**

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**REVIEWER COMMENTS**



Met Requirements



Did Not meet Requirements

NA
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**LEGAL, FINANCIAL, COMPLIANCE AND RELATED INFORMATION**

The Division is Requesting that each Permittee review and update the legal, financial, compliance and related information in the plan as part of the annual report. Please provide the Department of Commerce, Annual Report of Officers, or other equivalent information as necessary to ensure that the information provided in the plan is current. Provide any other change as necessary regarding land ownership, lease acquisitions, legal results from appeals of violations, or other changes as necessary to update information required in the mining and reclamation plan. Include certified financial statements, audits or worksheets, which may be required to meet bonding requirements. Specify whether the information is currently on file with the Division or included as an attachment to the report.

LEGAL/ FINANCIAL UPDATE	Included	DOGM File Location or Annual Report Location
<div></div>	<input type="checkbox"/>	<div></div>
<div></div>	<input type="checkbox"/>	<div></div>
<div></div>	<input type="checkbox"/>	<div></div>
<div></div>	<input type="checkbox"/>	<div></div>

**REVIEWER COMMENTS**    ☒ Met Requirements    ☐ Did Not meet Requirements

## MAPS

Copies of mine maps, current and up-to-date through at least December 31, 2010, are to be provided to the Division as an attachment to this report in accordance with the requirements of R 645-301-525.240. The map copies shall be made in accordance with 30 CFR 75.1200 as required by MSHA. Mine maps are not considered confidential.

Map Name	Map Number	Included		Confidential	
		Yes	No	Yes	No
Annual subsidence map		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mine Map		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**REVIEWER COMMENTS** ☒ Met Requirements ☐ Did Not meet Requirements

The mine is idled. No mining occurred in 2010. No projections are provided as no indication has been given of a start up of this mine.

## OTHER INFORMATION

Please provide any comments of further information to be included as part of the Annual Report. Any other attachments are to be provided as an attachment to this report. If information is submitted as a group rather than by individual mine, please identify each of the mine's data in the list below.

**Please List Attachments:**

**REVIEWER COMMENTS**